

GP-303110

AIRFLOW VARIATION LEARNING USING ELECTRONIC
THROTTLE CONTROL

ABSTRACT OF THE DISCLOSURE

A throttle area compensation system for use with an electronic throttle control of a vehicle includes a compensation datastore of compensation values indexed by pre-compensated throttle area. A
5 compensation vector learning module receives a pre-compensated throttle area and at least one sensed vehicle condition, and informs the compensation datastore based on the pre-compensated throttle area and the sensed vehicle condition. A throttle area compensation
10 module communicates with the compensation datastore, receives the pre-compensated throttle area, and determines a compensated throttle area based on the pre-compensated throttle area and a corresponding compensation value of the compensation data store.